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ABSTRACT OF THE DISCLOSURE

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A braking system 12 for use with an electric vehicle 10 including an electric motor/generator assembly 14, and a conventional electrical energy storage device 16. Motor/generator 14 selectively drives wheels 20 of vehicle 12. The braking system 12 includes a motor control module 26 which is communicatively coupled to motor/generator 14 and which selectively causes motor/generator 14 to provide a regenerative braking function at wheels 20 of vehicle 10. Braking system 10 further includes an antiskid braking system which selectively provides friction braking at wheels 20 and 24 of vehicle 10. The braking system 12 is effective to detect antiskid braking events at each of the wheels 20, 24, to selectively provide an antiskid braking function at each of wheels 20, 24 where the antiskid braking events are detected, and to selectively disable the regenerative braking function only when an antiskid braking event is detected at either of wheels 20.